

COLDROOM CONTROLLER WITH TIME CLOCK

LCCT

Type LCCT is a unit suitable for the control of coldrooms where defrosts are controlled locally according to time of day. The unit controls the coldroom temperature by measuring two air temperatures and operating the evaporator solenoid valve.

Up to 4 defrosts per day can be achieved by setting a schedule of defrost start times and durations in the unit. Defrosts are terminated when the temperature of the evaporator exceeds an adjustable defrost termination value, or when an adjustable time is reached.

Evaporator fans are run while refrigerating and are stopped during defrost and defrost recovery. The pan heater output is turned on during defrost, remains on for an adjustable drain-down period and is off at all other times.

The unit detects and indicates high temperatures. The alarm level and its response time are adjustable. High temperature alarms are cancelled during defrost and defrost recovery.

The fans may be stopped when the coldroom door is open and an alarm is raised if the door remains open beyond an adjustable time limit.

Coldroom temperature together with simple alarm and defrost mode messages can be indicated locally using a JTL display unit.

A plant alarm input is provided for local and remote indication. The controller can be isolated remotely providing capability for standby unit operation.

Type LCCT provides comprehensive alarm reporting, data-logging and remote access when connected to a JTL Communications Unit. Type LCCT is ideal for use with electric defrost or "3rd pipe" gas defrost systems.

FEATURES

- ◆ Up to 4 timed defrosts per day
- ◆ Temperature measurement inputs
- ◆ Temperature display drive
- ◆ Relay outputs
- ◆ Maintenance Unit socket
- ◆ External alarm input for plant
- ◆ Remote isolation facility
- ◆ Remote shutdown facility
- ◆ Communications socket
- ◆ Default data set-up switches
- ◆ Non-volatile set-up memory
- ◆ Watchdog to ensure reliable operation
- ◆ Battery supported data-logging memory
- ◆ Battery supported real-time clock



HARDWARE

- ◆ Temperature probe inputs 4
- ◆ Probe types supported Tempkey, Elm (selectable)
- ◆ Temperature display drives 1
- ◆ Temperature display type LED1
- ◆ Voltage-free contact outputs 4
- ◆ Voltage-free contact inputs 2
- ◆ Data-logging memory capacity 800 points on 4 channels

TECHNICAL SPECIFICATION

Temperature probe input 1	Air On
Temperature probe input 2	Air Off
Temperature probe input 3	Evaporator
Temperature probe input 4	Suction Line
Output 1	Pan heater control
Output 2	Fan control
Output 3	Liquid valve control (Normally closed valve)
Output 4 (changeover contact)	Defrost control
Relay output rating	1 A resistive (240 V max)
Input 1	Door Switch
Input 2	Plant alarm
Unboxed dimensions (LxWxH)	208 x 167 x 43 mm
Unboxed weight	0.52 kg
Power supply (standard)	230 V 48-62 Hz
(optional)	110 V

ORDERING INFORMATION

LCCT printed circuit board only

Power Supply Options:

For 110 V append - 110 to order code

For suitable enclosures see appropriate datasheet.

Doc No. 00854 LCCT_datasheet.wpd Issue 3 Aug 1995

JTL SYSTEMS LTD

Sales: 41 Kingfisher Court, Hambridge Road, NEWBURY, Berkshire, RG14 5SJ
Service: 1 Petre House, Petre Street, SHEFFIELD, S. Yorks, S4 8LJ

Tel: (01635) 263646
Tel: (0114) 256 0908